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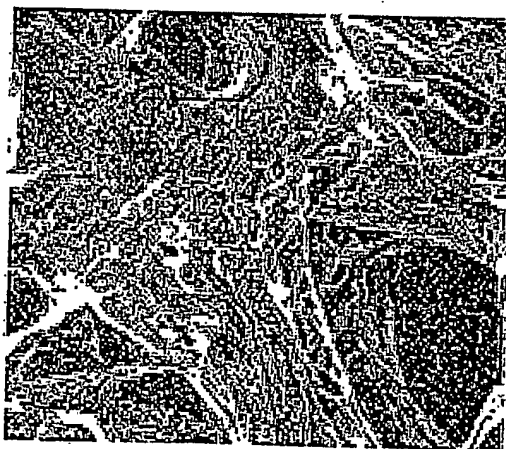
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- (71) Applicant (for all designated States except US): **BIO-PORE INC.** [US/US]; 1981 Pine Hall Road, State College, Pennsylvania 16801 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **HAMMERSTEDT, Roy, H.** [US/US]; 1119 Kathryn Street, Boalsburg, Pennsylvania 16827 (US). **SCHWARTZ, Stephen, S.** [US/US]; 343 Koebner Circle, State College, Pennsylvania 16803 (US).
- (74) Agents: **JOHNSON, Barbara, E.** et al.; Webb, Ziesenheim, Logsdon, Orkin & Hanson, P.c., 700 Koppers Building, 436 Seventh Avenue, Pittsburgh, Pennsylvania 15219-1818 (US).
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(54) Title: USE OF PASSAGEWAYS THROUGH POROUS MEMBRANES



(57) Abstract: Capillary-pore (track-etched) membranes were known to have residual negative charges formed during manufacture. We demonstrated that residual negative charges were concentrated on the interior face of the uniform passageways through the membrane stock, and then demonstrated that they were from carboxyl groups (ca 40 nanomoles per cm² of membrane surface). We then demonstrated that these endogenous carboxyl groups could be used for modification of the surface of these highly uniform passageways, by covalent linkage with one or more compounds, thus providing a configured separation membrane.

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